

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well NASA White Sands Test Facility Owner's Well No. BLM-36
 Street or Post Office Address P.O. Box 20
 City and State Las Cruces, NM 88004

Well was drilled under permit No. No permit - monitoring well and is located in the:

a. Center $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 33 Township 20S Range 3E N.M.P.M.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ zone in
 the _____ Grant.

(B) Drilling Contractor Stewart Brothers Drilling Company License No. WD 331

Address P.O. Box 2067, 306 Airport Rd., Milan, NM 87021

Drilling Began 01/20/99 Completed 05/18/99 Type tools Rotary Size of hole 12 $\frac{1}{4}$ in.

Elevation of land surface or _____ at well is Approx. 4638 ft. Total depth of well 905 ft.

Completion well is ☒ shallow ☐ artesian. Depth to water upon completion of well Approx. 320 ft

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
330	350	20	Alluvium (Santa Fe Group)	Unknown
350	430	110	Rhyolite	Approx. 2
430	560	110	Altered volcanics and Rhyolite tuff	Approx. 7
560	960	400	Altered rhyolites and rhyodacties	Approx. 10

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
14			0	100	100	None	Surface	Casing
4			0	905	905	Steel	outer casing	(see Section 7)
1.5			0	885	885	None	inner casing	

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	100	17 $\frac{1}{2}$ "		60	Pressure grout from inside of surface casing
0	210	12 $\frac{1}{4}$ "		174	Tremie pipe cement down annulus above completion materials

Section 6. LOG OF HOLE

[illegible]

Section 7. REMARKS AND ADDITIONAL INFORMATION

Well is constructed of 1.5" diameter PVC Westbay Multi-Port System® casing installed within 4" stainless steel well casing. Westbay® packers are inflated inside the 4" casing and are located immediately above and below screened zones in the 4" casing. Specialized measurement and pumping ports are located on the Westbay® well within sampling zones. Conventional screened/Westbay® sampling zones are located 340' - 360', 600' - 620', 790' - 810', and 850' - 870'.